

SAFE ACTS INDEX

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SAFE ACTS INDEX PURPOSES

An attempt to develop a predictive tool that can be used to reduce injuries.

Provides a useful tool for DOE management to communicate Facility Representative Observations to the contractor.

Quantifies Facility Representative Observations in the Field.

Areas of Review

- Use of PPE
- Safe Work Practice
- Tools & Equipment
- Workers Action
- Housekeeping
- Other - Radiological Protection, Hoisting & Rigging, Fall Protection, Electrical Safety, etc.

Data Collection

- Number of People Observed
- Number of Unsafe Acts
- Weight
 - Low Injury Exposure 0.3-0.5
 - Moderate Injury Exposure 1.0
 - Serious Injury Exposure 3.0

Serious Unsafe Acts

- Worker on top of shed directly in planned swing path for overhead load
- Unsafe use of step ladder on flatbed trailer

Moderate Unsafe Acts

- Seesaw construction sign, w/o lighting, guarding shallow trench
- No cotter pin or wire in twist lock fitting for compressed air line
- Substation short-circuited by louvre panel blown by the wind

WEEKLY FACILITY WALK-THROUGH SAFETY IMPACT REVIEW

Week of: 05/17/04

Areas of Review	Observations	Mon			Tue			Wed			Thu			Fri			Sat			Sun		
		L	M	S	L	M	S	L	M	S	L	M	S	L	M	S	L	M	S	L	M	S
A. Use of PPE	1. Eye and Head Protection 2. Foot and Hand Protection 3. Respiratory Protection 4. Hearing Protection 5. Safety Harness and Life Line 6. Body Protection																					
B. Safe Work Practice	1. All Pallets in Place 2. All Ladders Secured and Tied 3. Employees on Ladders Using Fall Protection 4. Scaffold Safe and Secured 5. Scaffold always permit 6. Lock and Tag Used																					
C. Tools & Equipment	1. Right Tools for the Job 2. Safe Use of Tools																					
D. Workers Action	1. Using Tools and Equipment Properly 2. Using Proper Lifting Technique 3. Working Close to Moving Falling Objects Equip.																					
E. Housekeeping	1. Tripping Hazards 2. Work Area Barricaded and Warning Sign Posted 3. Tools Properly Stored 4. Trash Disposed off Property																					
F. Other	1. Radiological protection 2. Hoisting and rigging 3. Confined space 4. Fall protection 5. Electrical safety 6. Lock out/tag out 7. Transportation 8. Chemical safety 9. Excavation 10. Emergency response not required																					

Note: L has a weight of 0.3, M = 1.0, S=3.0

* Transportation includes vehicles, loading containers/railcar operations, seat belt usage, observance of traffic signs.

Date	Number of People Observed	(Number of Unsafe Acts) L/M/S	Unsafe Act Total Relative Weight	[Total Relative Weight]/(No. of People)	Unsafe Act Index	Safe Act Index
2004						
5/17	10	0/1/0	1	0.10	10.00	90.00
5/18	10	0/0/0	0	0.00	0.00	100.00
5/19	10	0/0/0	0	0.00	0.00	100.00
5/20	0	0/0/0	0	0.00	0.00	0.00
5/21	0	0/0/0	0	0.00	0.00	0.00
5/22	0	0/0/0	0	0.00	0.00	0.00
5/23	0	0/0/0	0	0.00	0.00	0.00
TOTAL	30	0/0/0	1	0.03	3.33	96.67

WEEKLY FACILITY WALK-THROUGH SAFETY IMPACT REVIEW

Week of:

05/17/04

Areas of Review

Observations

A. Use of PPE

1. Eye and Head Protection
2. Foot and Head Protection
3. Respiratory Protection
4. Hearing Protection
5. Safety Harness and Life Line
6. Body Protection

B. Safe Work Practice

1. All Permits in Place
2. All Ladders Secured and Tied
3. Employees on Ladder Using Fall Protection
4. Scaffolds Safe and Secured
5. Scaffolds wheels pinned
6. Lock and Tags Used

C. Tools & Equipment

1. Right Tools for the Job
2. Safe Use of Tools

D. Workers Action

1. Using Tools and Equipment Properly
2. Using Proper Lifting Technique
3. Working Close to Moving/Falling Objects/Equip

E. Housekeeping

1. Tripping Hazards
2. Work Area Barricaded and Warning Sign Posted
3. Tools Properly Stored
4. Trash Disposed off Property

F. Other

1. Radiological protection
2. Hoisting and rigging
3. Confined space
4. Fall protection
5. Electrical safety
6. Lock out/tag out
7. Transportation*
8. Chemical safety
9. Excavation
10. Events/injuries/lessons learned

* Transportation includes vehicles, loading containers/trailer operations, seat belt usage, observance of traffic signs.

Note: L has a weight of 0.3, M = 1.0, S=3.0

Date	Number of People Observed	Unsafe Act				Safe Act Index
		(Number of Unsafe Acts) L/M/S	Total Relative Weight	[Total Relative Weight]/[No. of People]	Unsafe Act Index	
2004						
5/17	10	0/1/0	1	0.10	10.00	90.00
5/18	10	0/0/0	0	0.00	0.00	100.00
5/19	10	0/0/0	0	0.00	0.00	100.00
5/20	0	0/0/0	0	0.00	0.00	0.00
5/21	0	0/0/0	0	0.00	0.00	0.00
5/22	0	0/0/0	0	0.00	0.00	0.00
5/23	0	0/0/0	0	0.00	0.00	0.00
TOTAL	30	0/0/0	1	0.03	3.33	96.67

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—◆— Unsafe Acts per 1000 Employees
—■— Outcomes per 1000 Employees

